Print on Plain White Paper (Part No. 122919)

Installation Instructions

002-0213-00 Gas Cylinder Replacement Kit For Models 411

Installation

A. Removal

WARNING
Always disconnect the power cord from the wall outlet before removing any of the table's covers / shrouds or making any repairs to prevent the possibility of electrical shock. Failure to comply with these instructions could result in severe personal injury or death.

NOTE
The two special tools that are required to perform this procedure are included in the repair kit. They are a pry bar (051-0413-00) and support bar (051-0412-00)

(1) Unplug table power cord from wall outlet.

(2) Remove shrouds as necessary.

(3) Remove two screws (1, Figure 1) and rear lower shroud (2) from R.H. and L.H. supports (3).

(4) Remove two screws (4) and front lower shroud (5) from R.H. and L.H. supports (3).

(5) If support bar is going to be used to support weight of table top, perform the following substeps. Otherwise, go to step 6.

a. Run TABLE UP function all the way up.

b. With TABLE UP function in full up position, place support bar across top of R.H. and L.H. supports (3). Slide support bar under tilt bracket (6).

EQUIPMENT ALERT
Slowly and carefully lower base actuator until table top is resting on supports. Do not run base actuator until it is in a bind. Damage to base actuator could result.

c. Lower TABLE DOWN function until weight of table top (7) is resting on support bar.

(6) If support bar is not available, support table top with supports as described in the following substeps:

a. Run TABLE UP function to 3/4 full up position.

b. Run TILT DOWN function all the way down, FOOT UP function all the way up. and BACK DOWN function all the way down, making table top (7) into a flat, horizontal position.

c. Place supports under foot section and back section of table top (7).

EQUIPMENT ALERT
Slowly and carefully lower base actuator until table top is resting on supports. Do not run base actuator until it is in a bind. Damage to base actuator could result.

d. Lower TABLE DOWN function until weight of table top (7) is resting on supports **or** raise supports up against table top.

© Midmark Corporation - 1996

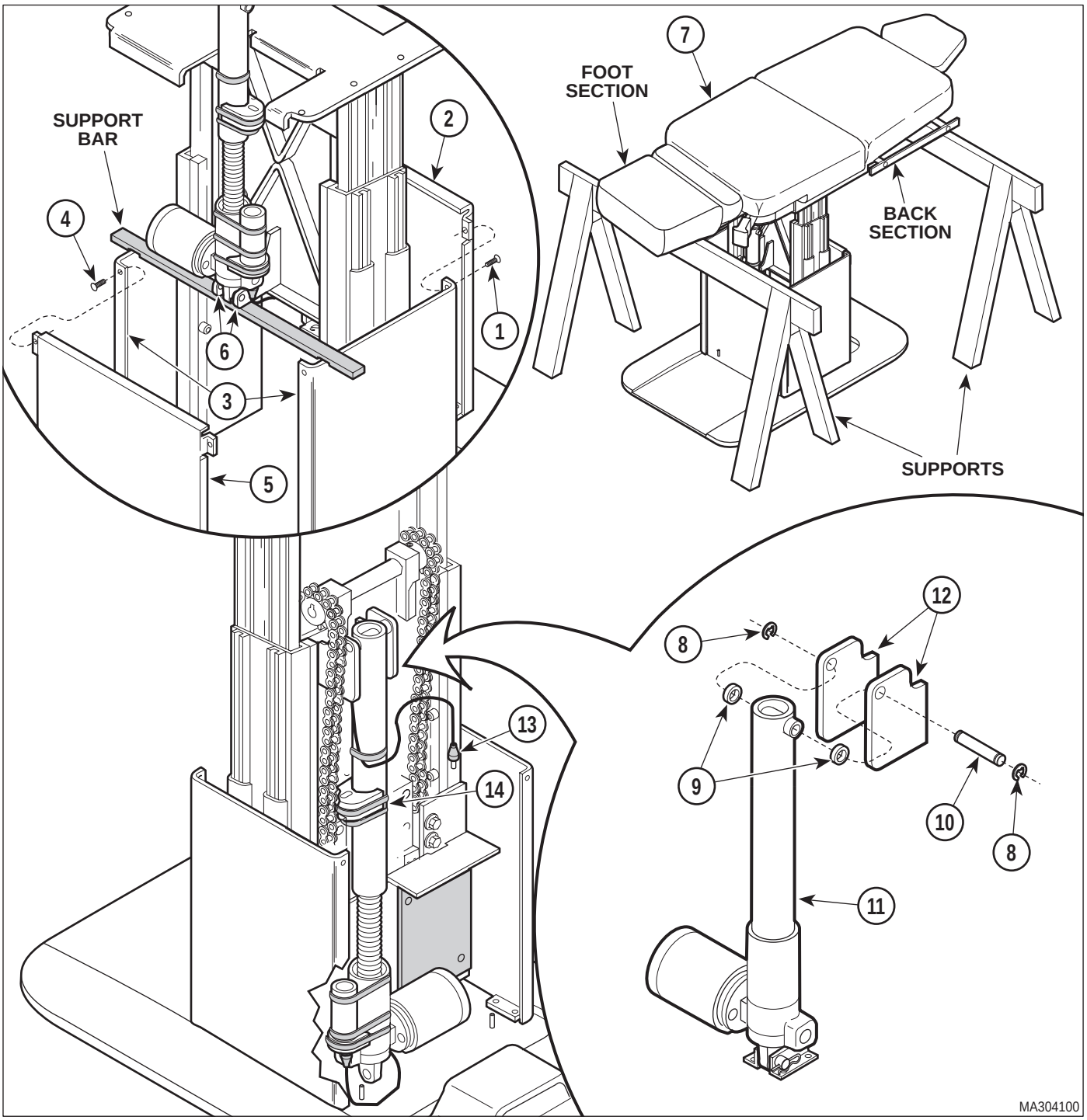

Figure 1. Table Top Support

DANGER

Make sure weight of table top is securely supported, per step 5 or 6, and table top will not fall when clevis pin (10) is removed. Failure to do so will result in serious injury or death to personnel.

NOTE

Depending on strength of gas spring(s), the table top may raise when clevis pin is removed. This is an indicator that the gas spring(s) are functioning well.

(7) Remove two e-rings (8), spacers (9), and clevis pin (10) which secures shaft of base actuator (11) to bracket (12).

(8) Disconnect cable (13) from base transmitter (14).

EQUIPMENT ALERT

Slowly and carefully lower base actuator while holding shaft of base actuator stationary, making sure base transmitter (14) does not contact anything. Failure to do so could result in damage to base transmitter.

(9) While holding shaft of base actuator (11) stationary (so it cannot rotate), lower TABLE DOWN function until base actuator is fully retracted.

(10) Insert slot of pry bar in cutout of middle member assembly (1, Figure 2).

(11) While pressing down on end of pry bar to relieve pressure from clevis pin (2), remove pin clip (3), clevis pin (2), and two spacers (4). Then, slowly raise up on pry bar until gas spring(s) (5) are fully extended and are no longer under tension. Remove pry bar.

(12) Remove pin clip (6), clevis pin (7), spacer(s) (8), and gas spring(s) (5) from bracket (9). Discard malfunctioning gas spring(s).

B. Installation

(1) Install rod end of gas spring(s) (5, Figure 2) on bracket (9) and secure with clevis pin (7), spacer(s) (8), and pin clip (6).

(2) Insert slot of pry bar in cutout of middle member assembly (1).

(3) While pressing down on end of pry bar to align gas spring(s) (5) with bracket (10), install two spacers (4), clevis pin (2), and pin clip (3) to secure gas spring(s) to bracket. Remove pry bar.

EQUIPMENT ALERT

Slowly and carefully raise base actuator while holding shaft of base actuator stationary, making sure base transmitter (14) does not contact anything. Failure to do so could result in damage to base transmitter.

(4) While holding shaft of base actuator (11, Figure 1) stationary (so it cannot rotate), raise TABLE UP function until shaft of base actuator is aligned with bracket (12).

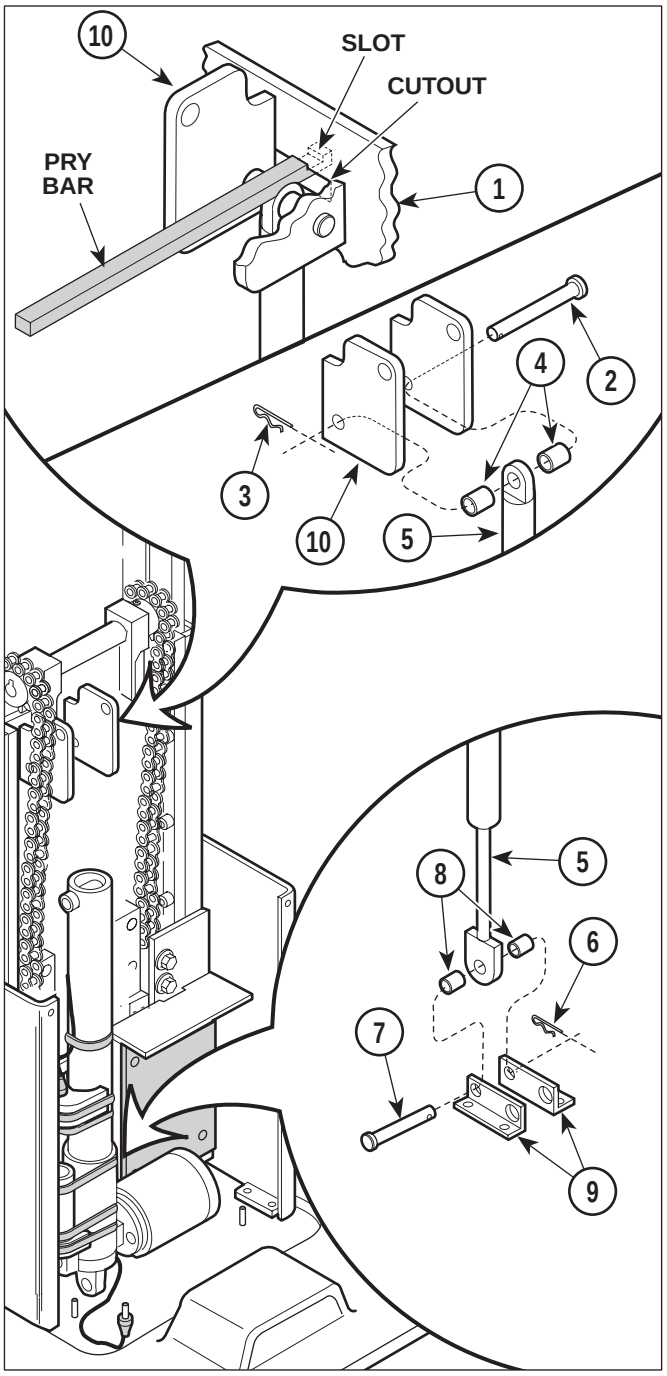

Figure 4-21. Gas Spring(s) Removal / Installation

NOTE

Depending on strength of gas spring(s), an assistant may be required to help lower the table top slightly to allow alignment of base actuator shaft with bracket.

(5) Secure shaft of base actuator (11) to bracket (12) with two spacers (9), clevis pin (10), and two e-rings (8).

(6) Raise TABLE UP function all the way up.

(7) Remove support bar from under tilt bracket (6) **or** remove supports from under foot section and back section of table top (7).

(8) Connect cable (13) to base transmitter (14).

(9) Install front lower shroud (5) on L.H. and R.H. supports (3) and secure with two screws (4), making sure locator pins are inserted thru locator holes of front lower shroud.

(10) Install rear lower shroud (2) on L.H. and R.H. supports (3) and secure with two screws (1), making sure locator pins are inserted thru locator holes of front lower shroud.

(11) Install shrouds as necessary.

(12) Plug table power cord into wall outlet.

© Midmark Corporation - 1996

MIDMARK®

Midmark Corporation, Versailles, Ohio 45380 U.S.A.
937-526-3662 TELEX 288007 FAX 937-526-5542